FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

MD 355 is considered to run in a North/South direction.

SIGNALS

1,4,7,10	2,5,8,11	3,6, 12	9	13-18
12"/8"	12"	12"	12"	12"

SIGNS

20,22	23,25	24,26
LEFT TURN YIELD ON GREEN — R 10-12 36" x 42"	ONLY — R 3-5(L) 30" x 36"	ONLY — R 3-5(R) 30" x 36"

Note:
Signal heads 3,14,15,17 and Sign 21,27 are existing.

Signal heads 1,2,4-13,16,18 and Signs 20,22-26,28 are proposed.

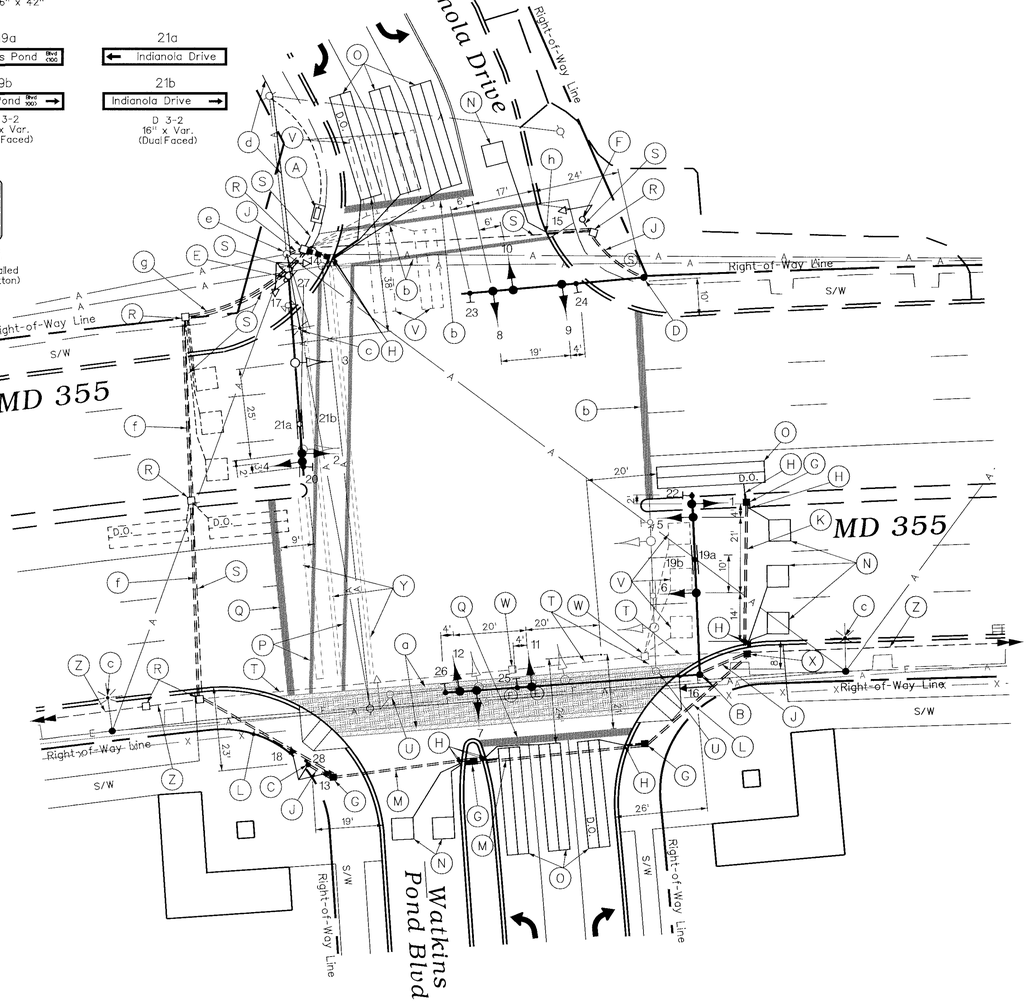
19a — ← Watkins Pond Blvd. — D 3-2, 16" x Var. (Dual Faced)

19b — Watkins Pond Blvd. → — D 3-2, 16" x Var. (Dual Faced)

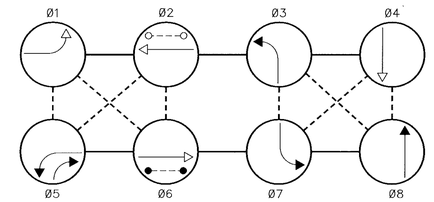
21a — ← Indianola Drive — D 3-2, 16" x Var. (Dual Faced)

21b — Indianola Drive → — D 3-2, 16" x Var. (Dual Faced)

27,28 — R 10-3c, 9" x 12" (To Be Installed With Pushbutton)



NEMA PHASING



Ø4 Alt.

FLASHING OPERATION

PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

A. Use existing base mounted cabinet/controller. Install all necessary additional signal equipment.
B. Paint and install 23 ft. steel twin mast arm pole (cut from a 27 ft. pole) with 70 ft. and 50 ft. mast arms, vehicle signal heads, signs, and pedestrian signal head (Note: one 2 in. PVC conduit bend).
C. Paint and install 10 ft. steel pedestal pole on break away base with pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
D. Paint and install 21 ft. steel mast arm pole (cut from a 27 ft. pole) with a 50 ft. mast arm, vehicle signal heads, and signs as shown (Note: one 2 in. PVC conduit bend).
E. Use existing steel pole and all attached equipment. Install five section vehicle signal heads, and signs as shown. Remove existing three section signal head as shown. Paint existing pole and arm.
F. Use existing steel pedestal pole and all attacted equipment. Paint existing pole.
G. Install handhole.
H. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
J. Install 2 in. polyvinyl chloride (Schedule 40) electrical conduit - trenched during construction.
K. Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit - pushed.
L. Install 4 in. polyvinyl chloride (Schedule 40) electrical conduit - trenched during construction.
M. Install 4 in. polyvinyl chloride (Schedule 80) electrical conduit - trenched during construction.
N. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).
O. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
P. Install 12 in. wide pavement marking - white for crosswalk.
Q. Install 24 in. wide pavement marking - white for stop line.
R. Use existing handhole.
S. Use existing conduit.
T. Cap and abandon existing conduit.
U. Remove existing steel pole and all attached equipment.
V. Disconnect existing loop detectors.
W. Remove existing handhole.
X. Install handhole on existing conduit run.
Y. Remove existing pavement markings by grinding.
Z. Use existing conduit. Install new I/C cable as shown on MD 355 @ Redland Blvd. Interconnect Plan.
a. Install 12 in. wide pavement marking on concrete ribbon - white for crosswalk.
b. Reinstall existing pavement markings.
c. Proposed overhead street lighting to be installed by others.
d. Use existing I/C cable as shown on MD 355 @ Redland Blvd. Interconnect Plan.
e. Install 2 in. riser and weatherhead on utility pole.
f. Install 3 in. polyvinyl chloride (Schedule 80) electrical conduit - pushed.
g. Install 3 in. polyvinyl chloride (Schedule 40) electrical conduit - trenched.
h. Install 1 in. galvanized steel conduit for loop detector lead-in.

NOTES

1. "D.O." indicates delay output loop detector.
2. Geometrics shall be confirmed prior to the installation of signal equiment.
3. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
4. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the Developer's project.
5. Revision 'B' is a revision to the traffic signal built in May, 1989 under S.H.A. Contract No.:M-611-501-371.
6. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
7. The Contractor shall route all field wiring into the base of the existing cabinet and properly tag each cable. MCDPW&T shall be responsible for the terminating the field wiring and any internal cabinet wiring.
8. Disconnecting and splicing of interconnect cable shall be performed by Montgomery County forces. The Contractor shall be responsible for routing or relocating of interconnect cable into the cabinet(s) as shown on the plans and shall properly label each cable.

Revision "B"

The Traffic Group
The Traffic Group, Inc.
Suite 600
40 W. Chesapeake Avenue
Towson, Maryland 21204
410-583-8405
1-800-583-8411
Fax 410-321-8458
Job. No. 960613
SIGPLAN4.DGN

GEOMETRIC LEGEND
EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES

REVISIONS
(B) May 29, 1997 — Reconstruct for new geometrics.
S.H.A. No.: BW978M-B-2

APPROVALS
ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. DISTRICT ENGINEER - TRAFFIC
DIRECTOR, OFFICE OF TRAFFIC & SAFETY
ORIGINAL ON FILE

MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: K.B. Mileski
DES. BY: W.K. Taylor
CHK. BY: E.J. Wolanin
DATE: May 5, 1989
SCALE: 1" = 20'

(Traffic Signal Plan)
MD 355 at Indianola Drive / Watkins Pond Blvd.
COUNTY: MONTGOMERY
LOG MILE • 15035511.60

F.A.P. NO. N/A
S.H.A. NO. M-611-501-371
TS/STD. NO. 3592B
SHEET NO. 1 of 2